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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: June 18, 2003, 17:14:36 ; Search time 83.0192 Seconds
(without alignments)
504.414 Million cell updates/sec

Title: US-09-807-933B-9

Perfect score: 2106 /
Sequence: 1 MKFTVAITSAVALALSSA.....TFKEVTCFALTRSGCERK 387

Scoring table: BIOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 417779 seqs, 108206813 residues

Total number of hits satisfying chosen parameters: 417779

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications MA:
1: /cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB pep.*
2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB pep.*
3: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB pep.*
4: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB pep.*
5: /cgn2_6/ptodata/2/pubpaa/US07_NEW_PUB pep.*
6: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB pep.*
7: /cgn2_6/ptodata/2/pubpaa/PCTUS_PUBCOMB pep.*
8: /cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB pep.*
9: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB pep.*
10: /cgn2_6/ptodata/2/pubpaa/US09_PUBCOMB pep.*
11: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB pep.*
12: /cgn2_6/ptodata/2/pubpaa/US10_PUBCOMB pep.*
13: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB pep.*
14: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB pep.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	769.5	36.5	299	9	US-10-007-521-12
2	761.5	36.2	225	9	US-10-007-521-2
3	761.5	36.2	297	9	US-10-007-521-4
4	761.5	36.2	308	9	US-10-007-521-6
5	760.5	36.1	201	9	US-09-261-329-4
6	754.5	35.8	201	9	US-09-261-329-5
7	753.5	35.8	205	9	US-09-261-329-7
8	735	34.9	349	9	US-10-007-521-10
9	722.5	34.3	203	9	US-09-261-329-9
10	722.5	34.3	222	9	US-10-007-521-14
11	722.5	34.3	294	9	US-10-007-521-24
12	714	33.9	376	10	US-09-735-787-4
13	711	33.8	305	10	US-09-735-787-2
14	710	33.7	202	9	US-09-261-329-1
15	708.5	33.6	203	9	US-09-261-329-6
16	703.5	33.4	226	9	US-10-007-521-16
17	703.5	33.4	293	9	US-10-007-521-20
18	703.5	33.4	298	9	US-10-007-521-18
19	699	33.2	310	9	US-10-007-521-22

20	698.5	33.2	203	9	US-09-261-329-8	Sequence 8, Appli
21	693.5	32.9	235	1	US-08-841-636A-31	Sequence 31, Appli
22	693	32.9	202	9	US-09-261-329-3	Sequence 3, Appli
23	684.5	32.5	295	9	US-10-007-521-8	Sequence 8, Appli
24	678	32.2	202	9	US-09-261-329-2	Sequence 2, Appli
25	519.5	24.7	211	9	US-09-261-329-11	Sequence 11, Appli
26	503.5	23.9	235	9	US-09-261-329-10	Sequence 10, Appli
27	438	20.8	138	9	US-10-007-521-26	Sequence 26, Appli
28	255.5	12.1	2033	9	US-10-123-155-307	Sequence 307, App
29	255	12.1	2916	9	US-10-123-155-69	Sequence 69, Appli
30	252	12.0	3552	9	US-10-123-155-339	Sequence 339, App
31	248.5	11.8	2750	9	US-10-123-155-85	Sequence 85, Appli
32	246	11.7	4060	9	US-10-123-155-197	Sequence 197, App
33	245.5	11.7	3127	9	US-10-184-644-83	Sequence 83, Appli
34	245.5	11.7	3127	9	US-10-184-644-83	Sequence 83, Appli
35	245.5	11.7	3871	9	US-10-184-644-347	Sequence 347, App
36	245.5	11.7	3871	9	US-10-184-644-347	Sequence 347, App
37	241.5	11.5	2213	9	US-10-184-644-549	Sequence 549, App
38	241.5	11.5	2213	9	US-10-184-644-549	Sequence 549, App
39	240	11.4	4374	9	US-10-123-155-125	Sequence 125, App
40	238.5	11.3	2027	9	US-10-123-155-175	Sequence 175, App
41	238.5	11.3	2906	9	US-10-123-155-367	Sequence 367, App
42	238.5	11.3	2917	9	US-10-123-155-343	Sequence 343, App
43	238.5	11.3	3732	9	US-10-123-155-71	Sequence 71, Appli
44	238	11.3	1636	9	US-10-123-155-133	Sequence 133, App
45	238	11.3	2531	9	US-10-123-155-33	Sequence 33, Appli

ALIGNMENTS

RESULT 1
US-10-007-521-12
Sequence 12, Application US/10007521
Publication No. US20030054539A1
GENERAL INFORMATION:
APPLICANT: Schuelein, Martin
Lassen, Soren F.
Kauppinen, Markus S.
Lange, Lene
Nielsen, Ruby I.
Ihara, Michiko
Takagi, Shinobu
TITLE OF INVENTION: No. US20030054539A1 EndogLucanases
NUMBER OF SEQUENCES: 109
CORRESPONDENCE ADDRESSES:
ADDRESSER: No. US20030054539A1 No. US20030054539A1 disk of NO. US200300545
STREET: 405 Lexington Avenue, 64th Floor
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10174-6401
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/007,521
FILING DATE: 10-Dec-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/651,136
FILING DATE: 21-MAY-1996
ATTORNEY/AGENT INFORMATION:
NAME: Lambiris, Elias J.
REGISTRATION NUMBER: 33,728
REFERENCE/DOCKET NUMBER: 4366,200-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655
INFORMATION FOR SEQ ID NO: 12:

SEQUENCE CHARACTERISTICS:

LENGTH: 299 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

SEQUENCE DESCRIPTION: SEQ ID NO: 12:

US-10-007-521-12

Query Match 36.5%; Score 769.5; DB 9; Length 299;

Best Local Similarity 60.7%; Pred. No. 1,1e-43;

Matches 133; Conservative 33; Mismatches 48; Indels 5; Gaps 2;

QY 169 TSSAGYKVIISGKSGSGSTRYWDCCASCPGPKASVTGPVDTCAISGLDANAQS 228

DB 9 TLAAALPLVSAASGSGSTRYWDCCPKSCAMPKAAVSQPVACDANFQSLDFNVQS 68

QY 229 GCGNGGFMGNQNPANVDELAYGFAAASIGSNEAGMCCGYELFTTSGAASGKKVV 288

DB 69 GCGGSAVSCADQTPAVANDNLAYGFAAISIGSSESSMCCACVALFTTSGPVAGKTWV 128

QY 289 QVTNTGADIGSNHFDLQMPGGVGIPIFGCAQWGA-PNDGKARYGVSVSDCASLPSA 347

DB 129 QSTSTGDLGSGNFDIAMPGGVGIPIFGCSSQFGGILP---GAQYGISSRDQCDSPFAP 184

QY 348 LQAGCKRFRNFKSNPTMTKEVTCPELITTRSGCER 386

DB 185 LKPGCOMRFDMFQADNPTFTFQOVCPALIVARSGCKR 223

QY 348 LQAGCKRFRNFKSNPTMTKEVTCPELITTRSGCER 386

DB 185 LKPGCOMRFDMFQADNPTFTFQOVCPALIVARSGCKR 223

RESULT 2

US-10-007-521-2

Sequence 2, Application US/10007521

Publication No. US20030054539A1

GENERAL INFORMATION:

APPLICANT: Schuelein, Martin

Andersen, Lene N.

Lassen, Soren F.

Kauppinen, Markus S.

Lange, Lene

Nielsen, Ruby I.

Ihara, Michiko

TITLE OF INVENTION: No. US20030054539A1 Endoglucanases

NUMBER OF SEQUENCES: 109

CORRESPONDENCE ADDRESS:

ADDRESS: No. US20030054539A1 No. US20030054539A1disk of No. US200300545

STREET: 405 Lexington Avenue, 64th Floor

CITY: New York

STATE: New York

COUNTRY: United States of America

ZIP: 10174-6401

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/007,521

FILING DATE: 10-Dec-2001

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/651,136

FILING DATE: 21-MAY-1996

ATTORNEY/AGENT INFORMATION:

NAME: Lambiris, Elias J.

REGISTRATION/DOCKET NUMBER: 33,728

TELECOMMUNICATION INFORMATION:

TELEPHONE: 212-867-0123

TELEFAX: 212-878-9655

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 225 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

SEQUENCE DESCRIPTION: SEQ ID NO: 2:

US-10-007-521-2

Query Match 36.2%; Score 761.5; DB 9; Length 225;

Best Local Similarity 62.1%; Pred. No. 2,9e-43;

Matches 128; Conservative 32; Mismatches 43; Indels 3; Gaps 3;

QY 183 SGSGSTRYWDCCKASCPGPKASVTGPVDTCAISGLD-ANAGSGCN-GGNGFMGN 240

DB 21 SGIGOTTRYWDCCKSCAMPKGP-SFPVQCDNDNPLNDGSTRSGCDAAGSAYMCSS 79

QY 241 NOPAVNDELAYGFAAASIGSNEAGMCCGYELFTTSGAASGKKVVQVTNTGDLGDN 300

DB 80 QSPMAVSDLSIGMAVTKLAGSSESGMCCACGYELFTTSGPVAGKMTVQATNTGDLGDN 139

QY 301 HFDLQMPGGVGIPIFGCAQWGA-PNDGKARYGVSVSDCASLPSALQAGCKRFRNFK 360

DB 140 HFDLQMPGGVGIPIFGCAQWGA-PNDGKARYGVSVSDCASLPSALQAGCKRFRNFK 199

QY 361 NSDNPMTKEVTCPELITTRSGCER 386

DB 200 NADNPSTFQEVACPSLTSKSGCSR 225

QY 361 NSDNPMTKEVTCPELITTRSGCER 386

DB 200 NADNPSTFQEVACPSLTSKSGCSR 225

RESULT 3

US-10-007-521-4

Sequence 4, Application US/10007521

Publication No. US20030054539A1

GENERAL INFORMATION:

APPLICANT: Schuelein, Martin

Andersen, Lene N.

Lassen, Soren F.

Kauppinen, Markus S.

Lange, Lene

Nielsen, Ruby I.

Ihara, Michiko

TITLE OF INVENTION: No. US20030054539A1 Endoglucanases

NUMBER OF SEQUENCES: 109

CORRESPONDENCE ADDRESS:

ADDRESS: No. US20030054539A1 No. US20030054539A1disk of No. US200300545

STREET: 405 Lexington Avenue, 64th Floor

CITY: New York

STATE: New York

COUNTRY: United States of America

ZIP: 10174-6401

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/007,521

FILING DATE: 10-Dec-2001

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/651,136

FILING DATE: 21-MAY-1996

ATTORNEY/AGENT INFORMATION:

NAME: Lambiris, Elias J.

REGISTRATION/DOCKET NUMBER: 33,728

TELECOMMUNICATION INFORMATION:

TELEPHONE: 212-867-0123

TELEFAX: 212-878-9655

INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:

LENGTH: 297 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-10-007-521-4

Query Match 36.2%; Score 761.5; DB 9; Length 297;
Best Local Similarity 62.1%; Pred. No. 3.8e-43;
Matches 128; Conservative 32; Mismatches 43; Indels 3; Gaps 3;

183 SSGSTRYMDCCASGMPKASVTGPVDTCAISGLD-ANAOSGCN-GGNGFMCNN 240
DB 21 SGIGOTIRYMDCCPSCKMPGKGP-SSPVQACDKNDPLNDGSTRSGCDAGGSAYMCSS 79
QY 241 NQPAVNDLAYGPAASIASGNEAGWCCGCELTFTSGAASGKMYVQVNTTGGDLGSN 300
DB 80 QSPVAVSDELSTYGAAYVLGASSSESQWCACCELTFTSGPVAKKMYQATNTTGGDLGSN 139
QY 301 HFDIOMGGGVGIFNGCAOMGAPNDMGARYGVSSVSDCASLPSALOAGCKRPFNMF 360
DB 140 HFDIAPGGGVGIFNACTDYGAPNMGDRYGGIHSKECESFPEALKPGCNRFDMFQ 199
QY 361 NSDNPMTFKEVTCPAELTTRSGCER 386
DB 200 NADNPSTVTFQEVACPSELTSKSGCSR 225

RESULT 4

US-10-007-521-6
Sequence 6, Application US/10007521
Publication No. US20030054539A1

GENERAL INFORMATION:

APPLICANT: Schuelein, Martin

APPLICANT: Andersen, Lene N.

APPLICANT: Kauppinen, Markus S.

APPLICANT: Lange, Lene

APPLICANT: Nielsen, Ruby I.

APPLICANT: Ihara, Michiko

APPLICANT: Takagi, Shinobu

APPLICANT: Takaagi, Shinobu

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APPLICANT: Takaagi, Shinobu

US-10-007-521-6

Query Match 36.2%; Score 761.5; DB 9; Length 308;
Best Local Similarity 62.1%; Pred. No. 4e-43;
Matches 128; Conservative 32; Mismatches 43; Indels 3; Gaps 3;

183 SSGSTRYMDCCASGMPKASVTGPVDTCAISGLD-ANAOSGCN-GGNGFMCNN 240
DB 21 SGIGOTIRYMDCCPSCKMPGKGP-SSPVQACDKNDPLNDGSTRSGCDAGGSAYMCSS 79
QY 241 NQPAVNDLAYGPAASIASGNEAGWCCGCELTFTSGAASGKMYVQVNTTGGDLGSN 300
DB 80 QSPVAVSDELSTYGAAYVLGASSSESQWCACCELTFTSGPVAKKMYQATNTTGGDLGSN 139
QY 301 HFDIOMGGGVGIFNGCAOMGAPNDMGARYGVSSVSDCASLPSALOAGCKRPFNMF 360
DB 140 HFDIAPGGGVGIFNACTDYGAPNMGDRYGGIHSKECESFPEALKPGCNRFDMFQ 199
QY 361 NSDNPMTFKEVTCPAELTTRSGCER 386
DB 200 NADNPSTVTFQEVACPSELTSKSGCSR 225

RESULT 5

US-09-261-329-4
Sequence 4, Application US/09261329
Publication No. US20030092097A1

GENERAL INFORMATION:

APPLICANT: Andersen, Kim

APPLICANT: Schuelein, Martin

APPLICANT: Christensen, Lars

APPLICANT: Damgaard, Bo

APPLICANT: Von Der Osten, Claus

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APPLICANT: Von Der Osten, Claus

US-09-261-329-4

Query Match 36.1%; Score 760.5; DB 9; Length 201;
Best Local Similarity 63.7%; Pred. No. 3e-43;
Matches 130; Conservative 29; Mismatches 40; Indels 5; Gaps 2;

184 SSGSTRYMDCCASGMPKASVTGPVDTCAISGLD-ANAOSGCN-GGNGFMCNN 243
DB 1 GSGKSTRYMDCCPSCKMPGKGP-SSPVQACDKNDPLNDGSTRSGCDAGGSAYMCSS 60
QY 244 NQPAVNDLAYGPAASIASGNEAGWCCGCELTFTSGAASGKMYVQVNTTGGDLGSN 303
DB 61 WAVVNDLAYGPAATKLSGTSBSSWCCACTYALTFTSGPVSGKTLVVOSTGSDLSN 120
QY 304 LOMPGGGVGFNGCAOMGAPNDMGARYGVSSVSDCASLPSALOAGCKRPFNMF 362
DB 121 LOMPGGGVGFNGCAOMGAPNDMGARYGVSSVSDCASLPSALOAGCKRPFNMF 176
QY 363 DNPMTFKEVTCPAELTTRSGCER 386
DB 177 DNPMTFKEVTCPAELTTRSGCER 200

RESULT 6

US-09-261-329-5
Sequence 5, Application US/09261329
Publication No. US20030092097A1

GENERAL INFORMATION:

APPLICANT: Andersen, Kim

APPLICANT: Schuelein, Martin

APPLICANT: Christensen, Lars

APPLICANT: Damgaard, Bo

APPLICANT: Von Der Osten, Claus

APPLICANT: Von Der Osten, Claus

APPLICANT: Von Der Osten, Claus

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APPLICANT: Von Der Osten, Claus

APPLICANT: Von Der Osten, Claus

APPLICANT: Andersen, Kim
APPLICANT: Schulten, Martin
APPLICANT: Christiansen, Lars
APPLICANT: Damgaard, Bo
APPLICANT: Von Der Oelen, Claus
TITLE OF INVENTION: Cellulase Variants
FILE REFERENCE: 4887,204-US
CURRENT APPLICATION NUMBER: US/09/261,329
EARLIER FILING DATE: 1999-03-03
EARLIER APPLICATION NUMBER: 1013/96
NUMBER OF SEQ ID NOS: 26
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 5
LENGTH: 201
TYPE: PRT
ORGANISM: Cellulase variants
US-09-261-329-5

Query Match 35.8%; Score 754.5; DB 9; Length 201;
Best Local Similarity 63.7%; Pred. No. 7,6e-43;
Matches 130; Conservative 28; Mismatches 41; Indels 5; Gaps 2;

QY 184 GSGSTRYMDCCASGSMGKASVTPDTCASNGISLIDANAOSGCGNGMFCNNOP 243
DB 1 GSGSTRYMDCCASGSMGKASVTPDTCASNGISLIDANAOSGCGNGMFCNNOP 60
QY 244 WAWNDLAVGPAALASISNEAGWCCGCELTFTSGAASGKMMVQVNTGDDLSNHPD 303
DB 61 WAWNDLAVGPAALASISNEAGWCCGCELTFTSGAASGKMMVQVNTGDDLSNHPD 120
QY 304 LQWGGGSGVGFNGCAQWGA-PNDGMRVGVSVSDCASLPSALQAGCKMRFNMFKN 362
DB 121 IAWGGGSGVGFNGCAQWGA-PNDGMRVGVSVSDCASLPSALQAGCKMRFNMFKN 176
QY 363 DNPMTKEVTCPAELTTRSGCER 386
DB 177 DNPMTKEVTCPAELTTRSGCER 200

RESULT 7
US-09-261-329-7
Sequence 7, Application US/09261329
Publication No. US20030092097A1
GENERAL INFORMATION:
APPLICANT: Andersen, Kim
APPLICANT: Schulten, Martin
APPLICANT: Christiansen, Lars
APPLICANT: Damgaard, Bo
APPLICANT: Von Der Oelen, Claus
TITLE OF INVENTION: Cellulase Variants
FILE REFERENCE: 4887,204-US
CURRENT APPLICATION NUMBER: US/09/261,329
EARLIER FILING DATE: 1999-03-03
EARLIER APPLICATION NUMBER: 1013/96
NUMBER OF SEQ ID NOS: 26
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 7
LENGTH: 205
TYPE: PRT
ORGANISM: Cellulase variants
US-09-261-329-7

Query Match 35.8%; Score 753.5; DB 9; Length 205;
Best Local Similarity 61.5%; Pred. No. 9e-43;
Matches 126; Conservative 32; Mismatches 44; Indels 3; Gaps 3;
QY 184 GSGSTRYMDCCASGSMGKASVTPDTCASNGISLIDANAOSGCGNGMFCNNNN 241
DB 1 GSGSTRYMDCCASGSMGKASVTPDTCASNGISLIDANAOSGCGNGMFCNNNN 59
QY 242 QPWAUNDLAVGPAALASISNEAGWCCGCELTFTSGAASGKMMVQVNTGDDLSNHP 301

DB 60 SPWAVSDLSYGMAAVKLAGSSESQWCCACYELETTSGPAGKMKVQATVNTGDDLSNHP 119
QY 302 FDLQPGGSGVGFNGCAQWGA-PNDGMRVGVSVSDCASLPSALQAGCKMRFNMFKN 361
DB 120 FDLQPGGSGVGFNGCAQWGA-PNDGMRVGVSVSDCASLPSALQAGCKMRFNMFKN 179
QY 362 DNPMTKEVTCPAELTTRSGCER 386
DB 180 DNPMTKEVTCPAELTTRSGCER 204

RESULT 8
US-10-007-521-10
Sequence 10, Application US/10007521
Publication No. US20030054539A1
GENERAL INFORMATION:
APPLICANT: Schulten, Martin
Andersen, Soren F.
Lassen, Soren F.
Kauppinen, Markus S.
Lange, Lene
Nielsen, Ruby I.
Thara, Michiko
Takagi, Shinobu
TITLE OF INVENTION: No. US20030054539A1el Endoglucanases
NUMBER OF SEQUENCES: 109
CORRESPONDENCE ADDRESS:
ADDRESS: No. US20030054539A1o No. US20030054539A1disk of No. US200300545
STREET: 405 Lexington Avenue, 64th Floor
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10174-6401
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/007,521
FILING DATE: 10-Dec-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/651,136
FILING DATE: 21-MAY-1996
ATTORNEY/AGENT INFORMATION:
NAME: Lambiris, Elias J.
REGISTRATION/DOCKET NUMBER: 33,728
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 349 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 10:
US-10-007-521-10

Query Match 34.3%; Score 735; DB 9; Length 349;
Best Local Similarity 61.7%; Pred. No. 2.5e-41;
Matches 127; Conservative 27; Mismatches 46; Indels 6; Gaps 2;
QY 183 GSGSTRYMDCCASGSMGKASVTPDTCASNGISLIDANAOSGCGNGMFCNNNO 242
DB 22 SKGHTTRYMCCCTSCAMGKASVSEPLTCNKQNDPIVDANARSGCGGAFACNTNS 81
QY 243 PPAWNDLAVGPAALASISNEAGWCCGCELTFTSGAASGKMMVQVNTGDDLSNHP 302
DB 82 PPAWNDLAVGPAALASISNEAGWCCGCELTFTSGAASGKMMVQVNTGDDLSNHP 141

RESULT 10
US-10-007-521-14
Sequence 14, Application US/10007521
Publication No. US20030054539A1
GENERAL INFORMATION:
APPLICANT: Schultein, Martin
Andersen, Lene N.
Lassen, Soren F.
Kauppinen, Markus S.
Lange, Lene
Nielsen, Ruby I.
Ihara, Michiko
Takagi, Shinobu
TITLE OF INVENTION: No. US20030054539A1e1 Endoglucaases
NUMBER OF SEQUENCES: 109
CORRESPONDENCE ADDRESSES:
ADDRESS: No. US20030054539A1o No. US20030054539A1diak of No. US20030054539A1
STREET: 405 Lexington Avenue, 64th Floor

RESULT 11
US-10-007-521-24
Sequence 24, Application US/10007521
Publication No. US20030054539A1
GENERAL INFORMATION:
APPLICANT: Schultein, Martin
Andersen, Lene N.
Lassen, Soren F.
Kauppinen, Markus S.
Lange, Lene
Nielsen, Ruby I.
Ihara, Michiko
Takagi, Shinobu
TITLE OF INVENTION: No. US20030054539A1el Endoglucanases
NUMBER OF SEQUENCES: 109
CORRESPONDENCE ADDRESS:
ADDRESSEE: No. US20030054539A1o No. US20030054539A1dlsk of No. US20030054539A1
STREET: 405 Lexington Avenue, 64th Floor
CITY: New York
STATE: New York

COUNTRY: United States of America
ZIP: 10174-6401
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/007,521
FILING DATE: 10-Dec-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/651,136
FILING DATE: 21-MAY-1996
ATTORNEY/AGENT INFORMATION:
NAME: Lambiris, Elias J.
REGISTRATION NUMBER: 33,728
REFERENCE/DOCKET NUMBER: 4366,200-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 294 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 24:
US-10-007-521-24

Query Match 34.3%, Score 722.5, DB 9, Length 294;
Best Local Similarity 60.3%, Pred. No. 1,4e-40;
Matches 126; Conservative 26; Mismatches 42; Indels 15; Gaps 3;
QY 185 GSGTTRVMDCCKASGSMFGKASVYGPVDTGASNGISLIDANNO-----SGCNGSGNGFM 237
DB 21 GSVTTRVMDCCKSPGSAWTKGKASVSKPYGTCDIND-----NAQTSPDLTKSSCDGGSAYY 74
QY 238 CANNOPWAVNDELAYGFALASIGSNAGWCCGCEYELFTSGAASGKRVQVNTGSD 297
DB 75 CENQPMVAVNDELAYGFALASIGSNAGWCCGCEYELFTSGAASGKRVQVNTGSD 134
QY 298 GSNHFDLQMGGCGVIGFNGCAQMGAPNDGKARYGVSSVSDCASLPSALQAGCKRKN 357
DB 135 GNNHFDLQMGGCGVIGFNGCAQMGAPNDGKARYGVSSVSDCASLPSALQAGCKRKN 192
QY 358 WFKNSDNPMTFKEVTCPAELTTRSGCER 386
DB 193 WFKNSDNPMTFKEVTCPAELTTRSGCER 221

RESULT 12
US-09-735-787-4
Sequence 4, Application US/09735787
Patent No. US20010036910A1
GENERAL INFORMATION:
APPLICANT: Rasmussen, Grethe
Mikkelsen, Jan Moller
Schulein, Martin
Patzar, Shankant A.
Hagen, Fred
TITLE OF INVENTION: A Cellulase Preparation Comprising an
Endoglucanase Enzyme
NUMBER OF SEQUENCES: 33
CORRESPONDENCE ADDRESS:
ADDRESSEE: No. US20010036910A1 No. US20010036910A1disk of No. US200100369
STREET: 405 Lexington Avenue, 64th Floor
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10174-6401
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/735,787
FILING DATE: 13-Dec-1997
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/189,028
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Lambiris, Elias J.
REGISTRATION NUMBER: 33,728
REFERENCE/DOCKET NUMBER: 3469,214-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 376 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-09-735-787-4

Query Match 33.9%, Score 714, DB 10, Length 376;
Best Local Similarity 59.1%, Pred. No. 6,6e-40;
Matches 127; Conservative 26; Mismatches 58; Indels 4; Gaps 3;
QY 173 AGKYISGGKSGSGSTTRVMDCCKASGSMFGKASVYGPVDTGASNGISLIDANQSGC-N 231
DB 10 AGFLAVSAA-SGSGSTTRVMDCCKSPGSAWTKGKASVSKPYGTCDIND-----NAQTSPDLTKSSCDGGSAYY 74
QY 232 GGNFPMVAVNDELAYGFALASIGSNAGWCCGCEYELFTSGAASGKRVQVNTGSD 291
DB 69 GGSVAACNTSPWAVNDELAYGFALASIGSNAGWCCGCEYELFTSGAASGKRVQVNTGSD 128
QY 292 NNGGDLGSHNFDLQMGGCGVIGFNGCAQMGAPNDGKARYGVSSVSDCASLPSALQAG 351
DB 129 NNGGDLGSHNFDLQMGGCGVIGFNGCAQMGAPNDGKARYGVSSVSDCASLPSALQAG 192
QY 352 CKMRNFWKNSDNPMTFKEVTCPAELTTRSGCER 386
DB 187 CKMRNFWKNSDNPMTFKEVTCPAELTTRSGCER 221

RESULT 13
US-09-735-787-2
Sequence 2, Application US/09735787
Patent No. US20010036910A1
GENERAL INFORMATION:
APPLICANT: Rasmussen, Grethe
Mikkelsen, Jan Moller
Schulein, Martin
Patzar, Shankant A.
Hagen, Fred
TITLE OF INVENTION: A Cellulase Preparation Comprising an
Endoglucanase Enzyme
NUMBER OF SEQUENCES: 33
CORRESPONDENCE ADDRESS:
ADDRESSEE: No. US20010036910A1 No. US20010036910A1disk of No. US200100369
STREET: 405 Lexington Avenue, 64th Floor
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10174-6401
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:


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Query Match          33.7%; Score 710; DB 9; Length 202;  
Beet Local Similarity 62.1%; Pred. No. 6, 6e-40;  
Matches 126; Conservative 25; Mismatches 46; Indels 6; Gaps 3  
  
QY      186 GSTTTPMOCKKASCSMPGRKASTGTPDTTCASNGISLIDNAOSGCN-GGGNGMFCNNOW 244  
| : ||||| | | | | | | | | | | | | | | | | | | | | | | |
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Query Match	33.6%	Score 708.5	DB 9	Length 203
Best Local Similarity	60.3%	Pred. No. 8.3e-40		
Matches	123	Conservative 25	Mismatches 55	Indels 3
				Gaps 2
QY	184	GGSGTTRYWDCCKAKSCSWPKGKAVTGPVDTCAASNGISLLDANAQGC--HGNGEMCNQ	242	
DB	1	GGGSHTRYWDCCKSPSCSWGKAVALPTCDKDNPISTNTVAVNGCEGGSAVACTVYS	60	
QY	243	PMAVNDELALYEPAAASITGNSNEAGWCCGCEYELFTFGSAAGSKGVVQVYNTNGGDI	302	
DB	61	PMAVNDELALYEPAAATKISGGSBANSCCACTALFTTGGVYKGGKMLVOSTNTGGDJ	120	
QY	303	DLQMPGGGVGIFNGCAQAQMGAPNDMGARYGGSVSSDCAISPLALQAGCKWRFMFKXS	362	
DB	121	DLMPGGGVGIFDGGCTSEFGKALG--GAQYGGISRSSECDYSPELLKDGCHRFDMFENA	178	
QY	363	DNPTMTFEKVTCPALVTLTRSGCER	386	
DB	179	DNPDFTFEQVCCPKALDLISGCKR	202	

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